

WHAT IS CLAIMED IS:

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1. A document information input apparatus for recognizing information in a real document and inputting said information recognized to a document displayed by a computer, comprising:

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a designating part designating an area to be processed in said real document;

a detecting part detecting said area to be processed designated by said designating part;

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a reading part reading an image of said area to be processed;

a character recognition part recognizing said image of the area to be processed as text information; and

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a pasting part pasting a result of said character recognition part to a pertinent position of said document displayed by the computer.

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2. The document information input apparatus as claimed in claim 1, further comprising an attribute determining part determining which attribute said area to be processed has among a text attribute, a table attribute and a figure attribute when said detecting part detects said area to be processed.

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3. The document information input

apparatus as claimed in claim 2, wherein said attribute determining part determines said area to be processed as one of said text attribute, said table attribute and said figure attribute based on
5 an area designated by said designating part.

10 4. The document information input apparatus as claimed in claim 2, wherein said attribute determining part determines said area to be processed as one of said text attribute, said table attribute and said figure attribute based on a
15 movement of said designating part.

20 5. The document information input apparatus as claimed in claim 2, wherein said attribute determining part, when said attribute determining part determines said area to be processed as the text attribute, further determines
25 a mode designated by said designating part, said mode for recognizing said area to be processed as text information.

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6. The document information input apparatus as claimed in claim 2, wherein said detecting part, when said attribute determining part
35 determines that said area to be processed has the table attribute and a position designated by said designating part is within a cell, detects an area

including said cell as said area to be processed and
wherein said detecting part, when said attribute
determining part determines that said area to be
processed has the table attribute and the position
5 designated by said designating part is outside any
cell, detects an area including a character sequence
within a predetermined distance from said position
as said area to be processed.

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7. A document information input method
for recognizing information in a real document and
15 inputting said information recognized to a document
displayed by a computer, comprising the steps of:
designating an area to be processed in
said real document;
detecting said area to be processed;
20 reading an image of said area to be
processed;
recognizing said image of the area to be
processed as text information; and
pasting a result of said step of
25 recognizing said image to a pertinent position of
said document displayed by the computer.

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8. The document information input method
as claimed in claim 7, further comprising a step of
determining which attribute said area to be
processed has among a text attribute, a table
35 attribute and a figure attribute when said area to
be processed is detected.

5 9. The document information input method
as claimed in claim 8, wherein said area to be
processed is determined to have one of said text
attribute, said table attribute and said figure
attribute based on an area designated.

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15 10. The document information input method
as claimed in claim 8, wherein said area to be
processed is determined to have one of said text
attribute, said table attribute and said figure
attribute based on how said area to be processed is
designated.

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25 11. The document information input method
as claimed in claim 8, wherein said area to be
processed, when said area to be processed is
determined as the text attribute, is further
determined to have a mode designated, said mode for
recognizing said area to be processed as text
information.

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35 12. The document information input method
as claimed in claim 8, wherein said area to be
processed, when said area to be processed is
determined to have the table attribute and a

position designated is within a cell, is detected
from an area including said cell and wherein said
area to be processed, when said area to be processed
is determined to have the table attribute and the
5 position designated is outside any cell, is detected
from an area including a character sequence within a
predetermined distance from said position.

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13. A document information input program
for recognizing information in a real document and
inputting said information recognized to a document
15 displayed by a computer, the program causing the
computer to execute the steps of:

designating an area to be processed in
said real document;
detecting said area to be processed;
20 reading an image of said area to be
processed;
recognizing said image of the area to be
processed as text information; and
pasting a result of said step of
25 recognizing said image to a pertinent position of
said document displayed by the computer.

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14. The document information input
program as claimed in claim 13, further causing the
computer to execute a step of determining which
attribute said area to be processed has among a text
35 attribute, a table attribute and a figure attribute
when said area to be processed is detected.

15. The document information input
5 program as claimed in claim 14, wherein said area to
be processed is determined to have one of said text
attribute, said table attribute and said figure
attribute based on an area designated.

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16. The document information input
program as claimed in claim 14, wherein said area to
15 be processed is determined to have one of said text
attribute, said table attribute and said figure
attribute based on how said area to be processed is
designated.

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17. The document information input
program as claimed in claim 14, wherein said area to
25 be processed, when said area to be processed is
determined as the text attribute, is further
determined to have a mode designated, said mode for
recognizing said area to be processed as text
information.

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18. The document information input
35 program as claimed in claim 14, wherein said area to
be processed, when said area to be processed is
determined to have the table attribute and a

position designated is within a cell, is detected
from an area including said cell and wherein said
area to be processed, when said area to be processed
is determined to have the table attribute and the
5 position designated is outside any cell, is detected
from an area including a character sequence within a
predetermined distance from said position.

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19. A computer readable recording medium
for recording a document information input program
for recognizing information in a real document and
15 inputting said information recognized to a document
displayed by a computer, the program causing the
computer to execute the steps of:

designating an area to be processed in
said real document;
20 detecting said area to be processed;
reading an image of said area to be
processed;
recognizing said image of the area to be
processed as text information; and
25 pasting a result of said step of
recognizing said image to a pertinent position of
said document displayed by the computer.

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20. A computer readable recording medium
for recording a document information input program
for recognizing information in a real document and
35 inputting said information recognized to a document
displayed by a computer, the program causing the
computer to execute the steps of:

designating an area to be processed in
said real document;

determining which attribute said area to
be processed has among a text attribute, a table
5 attribute and a figure attribute;

detecting said area to be processed;
reading an image of said area to be
processed;

recognizing said image of the area to be
10 processed as text information; and

pasting a result of said step of
recognizing said image to a pertinent position of
said document displayed by the computer.